

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
OF SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

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February 24, 2004

FROM: KEN A. MILLER, Director
Department of Public Works- **Solid Waste Management Division**

**SUBJECT: REQUEST FOR PROPOSALS FOR THE DESIGN OF DETENTION BASIN
AND CHANNEL STABILIZATION AT THE SAN TIMOTEO SANITARY
LANDFILL**

RECOMMENDATION:

- 1) Approve Request for Proposals for Engineering Design and Construction Management Services for Detention Basin and Channel Stabilization at the San Timoteo Sanitary Landfill.
- 2) Authorize the Solid Waste Management Division to release the Request for Proposals.

BACKGROUND INFORMATION: The San Timoteo Sanitary Landfill (STSL) is located within the City of Redlands in San Bernardino County, approximately 3 miles southwest of downtown Redlands and one mile southwest of San Timoteo Canyon Road. The site consists of approximately 446 acres, of which 114 acres comprise the disposal footprint. The STSL has been identified in the County's Strategic Plan as a future expansion site.

The STSL is situated in the San Timoteo Canyon area of Redlands. As a result, run-on stormwater flows are conveyed around landfilling operations through a system of stormwater basins, reinforced concrete pipes, spillways and earthen channels. Due to unusually heavy rainfall during the winter of 1997/1998, caused by El Nino weather conditions, severe erosion from heavy debris loading occurred within the earthen channel sections. In response, a detailed drainage study was conducted to determine the drainage facilities required to convey stormwater flows generated from a 100-year, 24-hour storm event, to reduce erosion potential, to accommodate debris loading, and to protect downstream properties adjacent to the STSL.

As a result, in 1999 a reinforced concrete pipe (RCP) storm drain ranging in diameter from 48 inch to 54 inch was constructed commencing within the STSL property and terminating downstream at the San Timoteo Channel. Stormwater flows generated from the canyons beyond the site and generated from the landfill itself are conveyed and collected within the RCP Storm Drain. However, the RCP Storm Drain is designed to collect flows from approximately a 10-year storm event. In order to provide 100-year capacity, a detention basin must be constructed upstream of the RCP to reduce stormwater flows to a peak flow rate less than a 10-year, 24-hour storm event. To achieve this will require the construction of a 30 acre-foot capacity detention basin.

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REQUEST FOR PROPOSALS FOR THE DESIGN OF DETENTION BASIN AND CHANNEL STABILIZATION AT THE SAN TIMOTEO SANITARY LANDFILL

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This RFP is to select a consultant to prepare the Channel Stabilization and Detention Basin Construction Documents for the STSL. The consultant is expected to be awarded a contract commencing on April 20, 2004 and shall continue through the completion of the projects construction. The construction of this project is tentatively scheduled for completion by December 31, 2004.

Proposals must be received by no later than 4:00 p.m. on March 26, 2004. The proposals will be evaluated by a selection committee comprised of representatives from the County and, if available, a representative from a regulatory agency. The committee will evaluate proposals based on the experience and qualifications of the firm and the approach to services. Following this evaluation process, the selection committee will present its analysis and recommendation to SWMD. SWMD staff will subsequently negotiate and prepare a professional services contract for consideration and approval by the County Board of Supervisors.

REVIEW AND APPROVAL BY OTHERS: This item was reviewed by Deputy County Counsel Robert L. Jocks (387-5435) on February 11, 2004 and County Administrative Office (Tom Forster, Administrative Analyst, 387-4635) on February 11, 2004.

FINANCIAL IMPACT: The issuance of RFP's has minimal financial impact. The estimated cost for these services is approximately \$250,000. Funding for this project is contained in the Solid Waste Management Division's Fiscal Year 2003/2004 Budget - Fund: EAC Dept: SWM Org: SWM Appr: 200 Obj: 2445.

COST REDUCTION REVIEW: The County Administrative Office has reviewed this agenda item and concurs with the department's proposal and recommends this action based on the following: Title 27 of the California Code of Regulations (CCR) requires that Class III Municipal Solid Waste Landfills be designed with drainage facilities capable of conveying a 24-hour 100-year storm event. The facilities to be designed under this request for proposals will make the STSL compliant through the site's ultimate development. Failure to comply with mandated stormwater and drainage controls, as set forth in Title 27 of the CCR, could subject the County to administrative civil liability fines levied by the Regional Water Quality Control Board.

SUPERVISORAL DISTRICT: Third

PRESENTER: Peter H. Wulfman, 386-8703

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